

Abstract

5 Title: Oxaliplatin with a low content of accompanying impurities and a method for preparation thereof

Oxaliplatin with a low content of accompanying impurities originating from its preparation which contains, by weight, at most 0.01 %, preferably less than 0.001 %, of alkali 10 metals, at most 0.0005 %, preferably less than 0.0002 %, of silver, and at most 0.01 %, preferably less than 0.001 %, of nitrates. A method for preparation of the said oxaliplatin resides in that a suspension of (*SP*-4-2)-dichloro-[*(1R,2R)*-15 -1,2-cyclohexanediamine-*N,N'*]platinum(II) in water is treated with silver nitrate, then, after removal of the solid phase, the obtained solution is treated with quaternary ammonium iodide of the formula $(R)_4NI$, the separated solid phase is removed and the obtained solution is treated with oxalic acid, and the separated oxaliplatin is isolated, washed with 20 water and a polar organic solvent or their mixture, dried, recrystallised from water, washed with water and polar organic solvent or their mixture, and dried.